

## Solid or Waste Incinerator Information

### 1. **Manufacturer:**

State name of manufacturer of incinerator and the model or style number (if available) of the incinerator.

### 2. **Capacity:** *Waste*

Give capacity of waste input in pounds per hour. *Heat:* Give heat input capacity of supplemental fuel in Btu per hour. This should be the total of all supplementary fuel Burners. Do not include heating value (if any) of the waste.

### 3. **Type of wastes burned:**

Specify each type of waste to be burned. If you want to burn waste you must specify it here. Indicate if it is a special or hazardous waste and note the RCRA alphanumeric (i.e. F006) for each waste. If you do not specify a waste, your permit will not be issued. If multiple wastes are to be burned, specify the maximum percentage of those wastes to be burned.

### 4. **Check one:** *Single or Multiple Chamber*

Check the appropriate line. A single chamber with an afterburner is one where the volatilized or pyrolyzed gases pass through only a secondary flame zone. A multiple chamber incinerator is one where the solid or liquid waste gases passes through the settling chamber then through the afterburner.

### 5. **Primary chamber:**

|                 |  |
|-----------------|--|
| Burner present: | Mark Y if a supplementary fuel burner is present in the primary chamber. |
| Burner Btu:     | Indicate the supplementary fuel heat input rate in the primary chamber.  |
| Burner fuel:    | Indicate primary chamber supplementary fuel.                             |

### **Secondary chamber:**

|                 |  |
|-----------------|--|
| Burner present: | Mark Y if a supplementary fuel burner is present in the secondary chamber. |
| Burner Btu:     | Indicate the supplementary chamber.  |
| Burner fuel:    | Indicate secondary chamber supplementary fuel.                             |

### *Note:*

1. *If supplementary fuel is oil, indicate the maximum % sulfur content.*
2. *If the supplementary fuel is a solid fuel, indicate the % sulfur and ash content.*
3. *The sum of the primary chamber burner Btu and the secondary chamber burner Btu should equal the supplemental fuel heat input rate indicated previously.*

### 6. **Gas residence time:** *Primary and Secondary Chambers:*

Indicate the time that the gas generated by the incineration spends in each chamber. The easiest (but least rigorous) estimate of this time is the volume of the chamber divided by the gas flow rate. The incinerator manufacturer should be able to provide this data.

### 7. **Operating temperature:** *Primary and Secondary Chamber:*

This refers to the average temperature in the chamber, not the outlet temperature. The incinerator manufacturer should be able to supply this data.

### 8. **Type of particulate controls:**

Check the appropriate box. Elaborate on Form Q.

### 9. **Manufacturer's guaranteed particulate emission rate:**

Indicate this in units of pounds of particulate per 1,000 pounds of dry exhaust gas, corrected to 50 % excess air. This data must be supplied by the manufacturer.

### 10. **Supply stack test data (if available).**